**Index of Claims** 



Application/Control No.

10/711,167

Examiner

Tsz K. Chiu

Applicant(s)/Patent under Reexamination

MOUSA ET AL.

Art Unit

2822

| <b>√</b> | Rejected |
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| 1        | Allowed  |

| - | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

| N | Non-Elected  |
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| 1 | Interference |

| A | Appeal   |
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| 0 | Objected |

| Cla   | ım   | Date       |          |  |              |              |  |  |  |  |  |
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|       | 3  | +          |          |  |              |              |  |  |  |  |  |
|       | 4  | +          |          |  |              |              |  |  |  |  |  |
|       | 5  | +          |          |  |              |              |  |  |  |  |  |
|       | 6<br>7                                       | +          |          |  |              |              |  |  |  |  |  |
|       | 7  | +          |          |  |              |              |  |  |  |  |  |
|       | 8  | +          |          |  |              |              |  |  |  |  |  |
|       | 9  | +          |          |  |              |              | Ш  | Ш  |  | $\Box$   |  |
|       | 10   | +          |          |  |              | _            |  | -  |  |  |  |
|       | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | +          | $\vdash$ | -  | $\vdash$     | <u> </u>     | $\vdash$   | $\vdash$   | -  | $\vdash$   |  |
|       | 12   | +          | H        | $\vdash$   |              | H            | Н  | Н  | -  |  |  |
|       | 14   | +          | -        | <del> </del>                                     | -            | _            | $\vdash\vdash$                                   | $\vdash$   | -  | $\vdash$   |  |
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|       | 16   | +          |          |  | $\vdash$     |              | -  |  | _  | -  |  |
|       | 17   | +          | $\vdash$ | -  | H            |              |  |  |  |  |  |
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|       | 22<br>23<br>24                               | $\vdash$   |          |  |              | _            | _  |  | _  |  |  |
|       | 24   |            |          |  |              |              |  |  |  |  |  |
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|       | 25<br>26                                     |            |          |  |              |              |  |  |  |  |  |
|       | 27   |            |          |  |              |              |  |  |  |  |  |
|       | 28<br>29                                     | L          |          |  |              |              |  |  |  | Ĺ  |  |
|       | 29   |            |          |  |              |              | L  |  |  | _  |  |
|       | 30<br>31                                     | <u> </u>   | L        |  |              | _            |  | <u> </u>   | _  |  |  |
|       | 31   |            |          |  |              | _            |  |  | <u> </u>   |  |  |
|       | 32   | <u> </u>   | <u> </u> | <u> </u>   | <u> </u>     | <u> </u>     | <u> </u>   | <b> </b>   | <u> </u>   |  |  |
|       | 33<br>34                                     | ļ          | <u> </u> | <u> </u>   | <u> </u>     | <del> </del> | <del> </del>                                     |  | <del> </del>                                     | -  |  |
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|       | 36<br>37                                     | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$     |  | $\vdash$   |  | $\vdash$   |  |
|       | 38   | ├-         | -        | $\vdash$   | -            | -            | -  |  | -  | <del> </del>                                     |  |
|       | 39   | -          | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$     | H  | $\vdash$   | $\vdash$   | $\vdash$   |  |
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|       | 42   | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$   | <del>                                     </del> | $\vdash$   | <del>                                     </del> |  |
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|       | 46   |            |          |  |              |              | <u> </u>   | 1  |  | <del>                                     </del> |  |
|       | 47   |            | Г        | Г  | Г            |              | Γ  |  | Г  |  |  |
|       | 48   |            |          |  |              |              |  |  |  |  |  |
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|    |          |          |                                     |          |          |  |             |            |  |  |   | Fi       |          |              |          |          |          |          |              |          |          |   |
| _  | 1_       | +        |                                     | Щ        |          | _  |             |            | _  | _  |   |          | 51       |              | _        |          |          |          |              | _        |          | _ |
| _  | 2        | +        |                                     |          |          | _  |             |            |  | L.   |   |          | 52       |              | _        | _        |          |          |              |          |          | = |
| _  | 3        | +        |                                     |          |          |  |             |            |  | <u> </u>   |   |          | 53       | _            |          | _        |          |          |              |          | -        | _ |
|    | 5        | +        |                                     |          |          | _  | _           |            | _  | <u> </u>   |   |          | 54<br>55 |              | $\dashv$ | _        |          | _        | $oxed{oxed}$ |          |          |   |
| _  |          | +        |                                     |          |          |  |             |            | _  | <u> </u>   |   |          | 55       |              | $\dashv$ |          |          | _        |              |          | -        | - |
| 4  | 6        | +        | _                                   | _        |          |  |             |            | _  | _  |   |          | 56       |              | _        | _        | _        |          |              |          | -        |   |
|    | 7        | +        |                                     |          |          |  |             |            | -  | -  |   |          | 57       |              | -        |          |          |          | $\vdash$     |          | H        |   |
| -  | 8        | +        | _                                   |          |          | $\vdash$   |             |            |  | ┝  |   |          | 58       | Н            | $\dashv$ | -        |          | _        |              | $\vdash$ | $\vdash$ |   |
| _  | 9        | +        |                                     |          |          | H  | Н           |            | _  | <u> </u>   |   |          | 59       |              | _        |          |          | _        |              |          | Н        |   |
| _  | 10       | +        |                                     |          |          | -  |             |            | _  | -  |   |          | 60<br>61 | Н            | -        |          | _        |          | -            | -        |          |   |
| _  | 12       | +        |                                     |          | _        | -  |             |            |  |  | 1 |          | 62       | Н            | -        | _        |          |          |              |          | -        |   |
| -  | 13       | +        |                                     |          |          |  |             |            | _  |  |   |          | 63       | Н            | -        | _        |          |          | -            | _        |          |   |
|    | 14       | +        | -                                   | _        | -        | _  | $\vdash$    |            | -  | -  |   |          | 64       | Н            |          |          |          |          |              |          |          |   |
| -  | 15       | +        | $\vdash$                            | $\vdash$ | H        | -  | -           |            | -  | ├  | 1 |          | 65       | Н            | $\dashv$ |          |          |          |              |          |          |   |
| -  | 16       | +        |                                     |          | $\vdash$ |  | -           |            | _  | $\vdash$   | 1 |          | 66       | Н            | -        |          |          |          |              |          |          |   |
|    | 17       | +        | -                                   |          | -        |  | H           |            |  |  | 1 |          | 67       | -            | $\vdash$ |          |          |          | $\vdash$     | _        | $\vdash$ |   |
| -  | 18       | +        | -                                   | ├        | $\vdash$ |  |             |            |  |  | 1 |          | 68       | Н            |          |          |          | $\vdash$ |              | Н        | $\vdash$ |   |
|    | 19       | +        | $\vdash$                            | $\vdash$ | ┢        | H  |             |            |  |  | ł |          | 69       | Н            |          |          | _        | -        |              | -        | _        |   |
|    | 20       | +        | -                                   | -        | -        | -  |             |            |  |  |   | -        | 70       | H            | -        |          |          | $\vdash$ |              | $\vdash$ |          |   |
|    | 21       | -        | -                                   | -        | -        | -  |             |            | $\vdash$   |  | 1 |          | 71       |              | $\dashv$ |          |          | $\vdash$ |              | $\vdash$ | -        | - |
|    | 22       | -        | -                                   | -        | $\vdash$ | $\vdash$   |             |            | $\vdash$   |  | { |          | 72       |              |          |          |          | $\vdash$ | Н            | $\vdash$ |          |   |
|    | 23       | $\vdash$ | $\vdash$                            |          | $\vdash$ | -  |             |            | -  | -  | 1 |          | 73       | H            |          |          |          | ┝        | $\vdash$     | $\vdash$ | $\vdash$ |   |
|    | 24       | $\vdash$ | $\vdash$                            |          | -        | ┢╾   |             |            | -  | -  | 1 | <u> </u> | 74       |              | -        |          |          | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ |   |
| _  | 25       | $\vdash$ | ├─                                  |          |          |  |             |            | <u> </u>   | $\vdash$   | 1 |          | 75       | -            |          |          |          | $\vdash$ | $\vdash$     | $\vdash$ |          |   |
| _  | 26       |          | $\vdash$                            |          | _        |  | $\vdash$    | $\vdash$   | -  | <del>  -</del>                                   | 1 |          | 76       | H            |          |          |          | -        | -            | <u> </u> |          |   |
| _  | 27       | $\vdash$ | $\vdash$                            |          | -        |  | -           |            |  | ├-   | 1 |          | 77       |              |          |          |          | $\vdash$ |              | $\vdash$ |          |   |
| _  | 28       | ┢        |                                     |          | _        | <del>                                     </del> |             | -          | -  | <del>                                     </del> | 1 |          | 78       |              |          |          |          |          |              |          |          |   |
|    | 29       | ┢        |                                     | $\vdash$ |          |  |             | 一          | <del>                                     </del> | _  | 1 |          | 79       | H            |          |          | _        | ┢        |              | -        |          |   |
| _  | 30       |          |                                     | _        | _        | $\vdash$   | _           |            | _  | ┢  | 1 |          | 80       |              | _        |          | _        |          |              |          |          |   |
|    | 31       |          | _                                   |          |          | 1  |             |            | <u> </u>   |  | 1 |          | 81       |              |          |          |          |          |              |          |          |   |
|    | 32       |          |                                     |          |          |  |             | Т          |  |  | 1 |          | 82       |              |          |          |          | _        |              |          |          |   |
|    | 33       |          |                                     |          |          | T  | _           |            |  | $\vdash$   | 1 |          | 83       |              |          | _        |          |          |              |          |          | Г |
|    | 34       | T        | Π                                   | Γ        |          |  |             | <b>-</b> - |  | Г  | 1 |          | 84       |              |          |          |          |          |              |          |          | Г |
|    | 35       |          |                                     |          |          |  |             |            |  |  | 1 |          | 85       |              |          |          |          |          |              |          |          |   |
| _  | 36       |          |                                     |          |          |  |             |            |  |  | 1 |          | 86       |              |          |          |          |          |              |          |          |   |
|    | 37       |          |                                     |          |          |  |             |            |  |  | ] |          | 87       |              |          |          |          |          |              |          |          |   |
|    | 38       |          |                                     |          |          |  |             | Ĺ          |  |  |   |          | 88       |              |          |          |          |          | $\Box$       |          |          |   |
|    | 39       |          |                                     |          |          |  |             |            |  |  | ] |          | 89       |              |          |          |          |          |              |          |          |   |
| Ξ  | 40       | L        |                                     | L        | Ĺ        |  |             |            |  |  | ] |          | 90       |              |          |          |          | 匚        | $\Box$       |          |          |   |
|    | 41       | 匚        | 匚                                   |          |          | 匚  |             |            |  |  | ] |          | 91       |              |          |          |          |          |              |          |          |   |
|    | 42       |          | 匚                                   |          |          |  |             |            |  |  | ] |          | 92       |              |          |          |          |          | oxdot        |          | L        |   |
| Ξ  | 43       |          |                                     |          |          |  |             |            |  |  | ] |          | 93       |              |          |          |          | 匚        |              |          | <u> </u> |   |
|    | 44       |          |                                     |          |          |  |             |            |  |  | ] |          | 94       |              |          |          |          |          |              |          |          |   |
|    | 45       |          |                                     |          |          |  |             |            |  |  |   |          | 95       |              |          |          |          |          | 匚            |          |          |   |
|    | 46       |          |                                     |          |          |  |             |            |  |  |   |          | 96       |              |          | <u> </u> |          |          | <u> </u>     | <u> </u> |          |   |
|    | 47       |          |                                     | 匚        |          | 匚  | 匚           |            |  |  | ] |          | 97       | $\Box$       |          | _        |          |          | $oxed{oxed}$ |          |          | _ |
| _  | 48       | L        |                                     |          |          | 乚  | _           |            | _  | <u> </u>   | 1 |          | 98       | L            |          | L        | _        | <u> </u> | <u> </u>     |          | <u></u>  | L |
| _  | 49       |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u></u>  | <u> </u> | ļ  | _           | <u> </u>   |  | _  | 1 |          | 99       | $oxed{oxed}$ | <u> </u> | <u>L</u> | <u> </u> | L        | <u> </u>     | L_       | _        |   |
|    | 50       | <u> </u> | L                                   | <u> </u> | L        | L  | Щ           | <u> </u>   | L  | L  | J |          | 100      | L            | L        |          |          |          |              | L        | L        | ļ |

| Cla  | aim  | Date         |          |            |          |                |          |              |              |          |  |
|--|--|--------------|----------|------------|----------|----------------|----------|--------------|--------------|----------|--|
|  |  |              |          |            |          |                |          |              |              | _        |  |
| Final  | Original   |              |          |            |          |                |          |              |              |          |  |
|  | 101  |              |          |            |          |                |          |              |              |          |  |
|  | 102  |              |          |            |          |                |          |              |              |          |  |
|  | 102<br>103   |              |          |            |          |                |          |              |              |          |  |
|  | 104  |              |          |            |          |                |          |              |              |          |  |
|  | 104<br>105   |              |          |            |          |                |          |              |              |          |  |
|  | 106  |              |          |            |          |                |          |              |              | Ш        |  |
|  | 107  |              |          |            |          |                |          |              |              | _        |  |
|  | 108  |              |          |            |          |                | _        |              |              | Щ        |  |
|  | 109  |              |          |            |          |                |          |              | _            | $\vdash$ |  |
|  | 110<br>111   |              |          |            |          |                |          |              |              |          |  |
| <u> </u>   | 111  |              |          |            |          |                |          | Ш            |              |          |  |
| <u> </u>   | 112  |              |          |            |          |                |          |              |              |          |  |
| ļ  | 113  |              |          |            |          | _              |          |              |              |          |  |
|  | 114  |              | _        |            |          |                | _        |              |              | -        |  |
|  | 115  |              |          |            | _        | $\vdash$       |          |              |              |          |  |
|  | 116  |              |          |            |          |                |          | H            |              |          |  |
|  | 117  | L            |          | L.         |          |                |          | ļ.           |              |          |  |
| -  | 118  | _            |          |            | _        | H              |          | H            |              |          |  |
|  | 118<br>119<br>120<br>121<br>122<br>123<br>124<br>125 | -            |          | -          | H        |                | ┈        | -            |              |          |  |
| ļ  | 120  |              |          | _          | <u> </u> |                |          | ⊢            |              | $\dashv$ |  |
| -  | 121  | <u> </u>     | ┝        | <u> </u>   |          | -              | -        | <u> </u>     |              | $\vdash$ |  |
|  | 122  | $\vdash$     |          |            |          | $\vdash$       | _        |              | -            | $\dashv$ |  |
|  | 124  | ┝            | ⊢        | $\vdash$   |          |                |          | -            |              |          |  |
|  | 124  | -            |          | $\vdash$   |          | -              |          |              | $\vdash$     | -        |  |
| <u> </u>   | 126  | <del> </del> | $\vdash$ |            |          | ┢              |          | -            | -            | H        |  |
| <del>                                     </del> | 127  | <del> </del> |          |            |          | <u> </u>       | $\vdash$ | -            |              | H        |  |
| <del> </del>                                     | 126<br>127<br>128<br>129<br>130                      | -            | $\vdash$ | $\vdash$   | $\vdash$ | -              | -        |              |              |          |  |
|  | 129  | -            | $\vdash$ | $\vdash$   | $\vdash$ |                |          |              | -            | $\dashv$ |  |
| -  | 130  | _            |          |            |          |                |          |              |              |          |  |
|  | 131  |              | $\vdash$ |            | $\vdash$ | $\vdash$       | _        | _            |              |          |  |
|  | 131<br>132   |              |          |            |          |                |          |              | ┌            |          |  |
|  | 133  |              |          |            |          |                |          |              |              |          |  |
|  | 134<br>135   |              |          |            |          |                |          |              |              |          |  |
|  | 135  |              |          |            |          |                |          |              |              |          |  |
|  | 136  |              |          |            |          |                |          | 匚            |              |          |  |
|  | 137<br>138   |              |          |            |          |                |          | 匚            | <u> </u>     | Ш        |  |
|  | 138  | <u> </u>     | _        | _          | <u> </u> | _              | _        |              | ļ            | Ш        |  |
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|  | 140  | <u> </u>     |          | <u> </u>   | <u> </u> | <u> </u>       | <u> </u> | <u> </u>     | <u> </u>     | $\sqcup$ |  |
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| <u></u>  | 144  | <u> </u>     | <u> </u> | <u> </u>   | _        | ļ              | -        | <del> </del> | <u> </u>     | $\sqcup$ |  |
|  | 145  | ₩            | $\vdash$ | -          | ├        | <del> </del>   | $\vdash$ | <u> </u>     | -            | Н        |  |
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| <u> </u>   | 147  | <b>—</b>     |          | Н—         | -        | <u> </u>       | ├-       |              | <u> </u>     | H        |  |
| <u> </u>   | 148  | -            | ├        | ├-         | -        | <del>  -</del> | -        | $\vdash$     | $\vdash$     | Н        |  |
| L  | 149  | -            |          | <b>├</b> — | ├-       | -              | -        | -            | 1-           | Н        |  |
| Ь  | 150  | L.           | Ц.       | <u> </u>   | L        | <u></u>        | Ц_       | L_           | L            | Ш        |  |